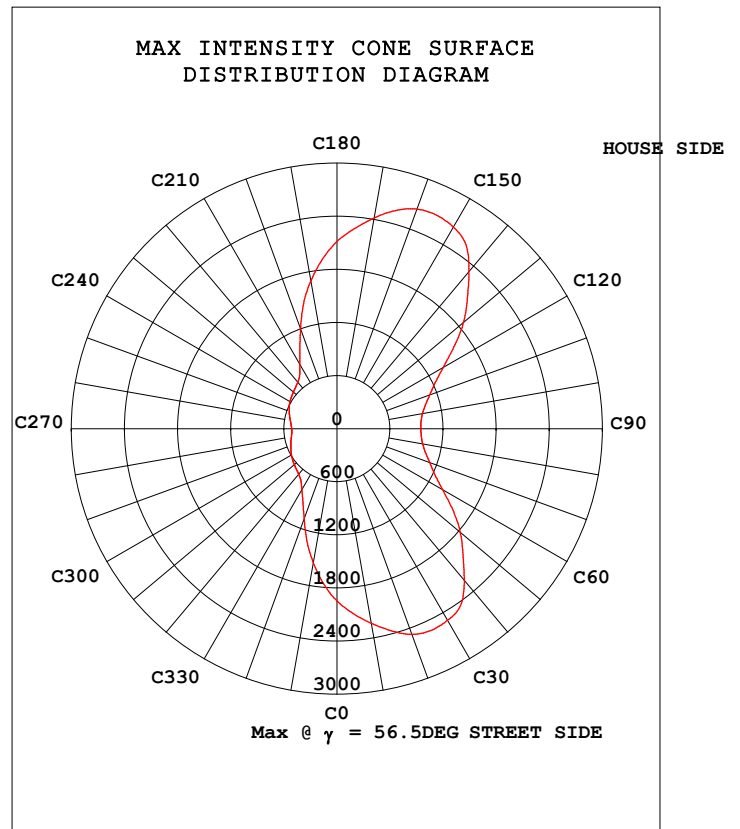
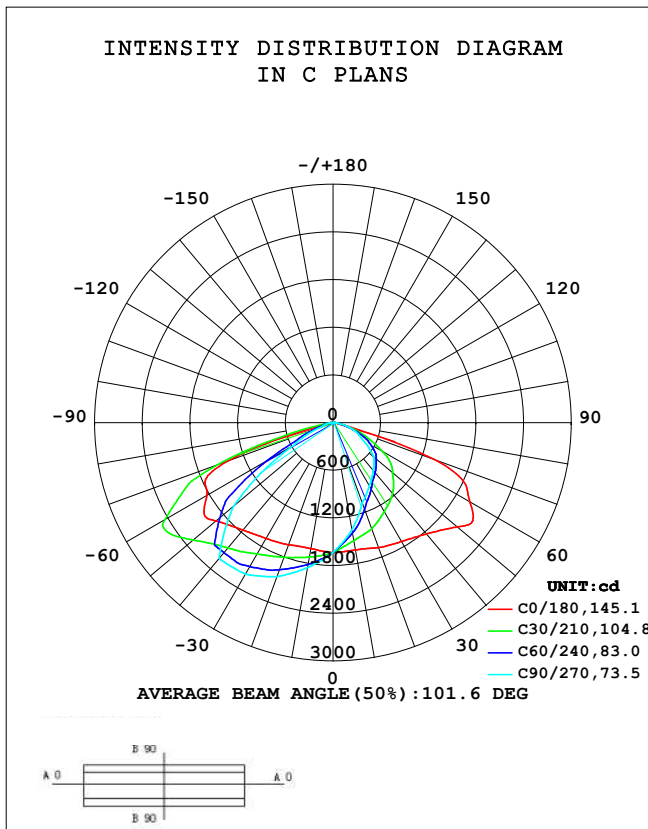


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.1927A P:41.04W PF:0.9641 Lamp Flux:6058.12x1 lm		
NAME: OPCITYIII-40W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 147.62 lm/W			
MODEL	LED	Imax (cd)	2663	η street_up (%)	0.0
NOMINAL POWER (W)	40	LOR (%)	100.0	η street_down (%)	50.4
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	6058	η house_up (%)	0.0
NOMINAL FLUX (lm)	6058.12	MAXIMUM @ (C, γ)	155,56.5	η house_down (%)	49.6
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	17.162



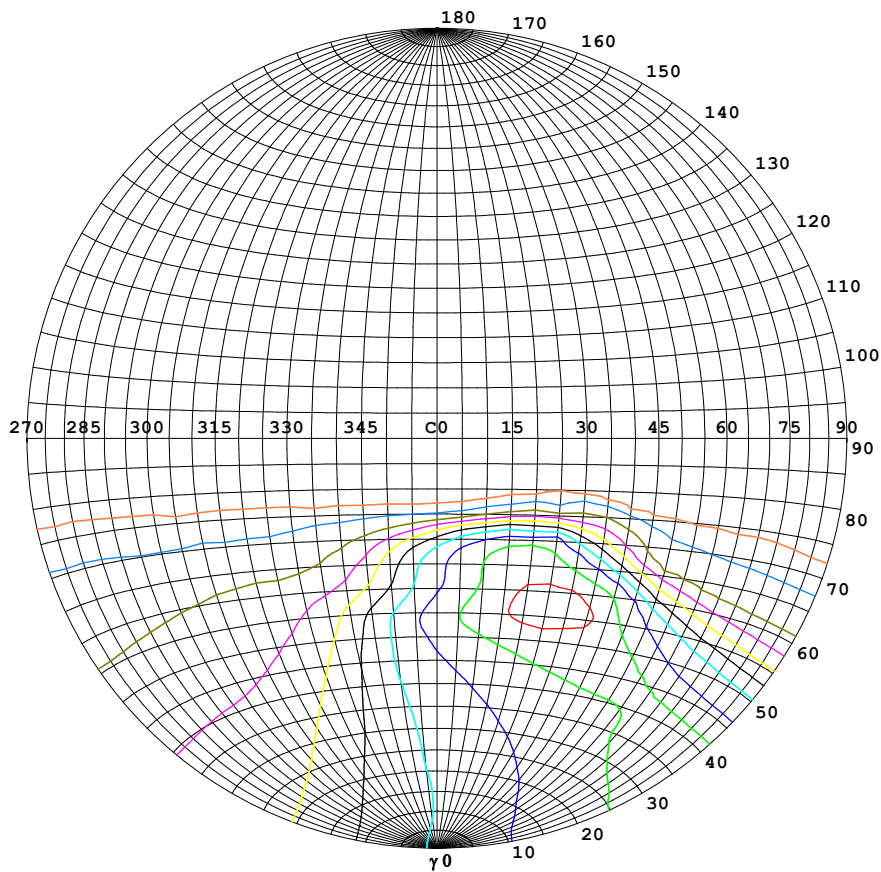
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.1927A P:41.04W PF:0.9641 Lamp Flux:6058.12x1 lm		
NAME: OPCITYIII-40W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



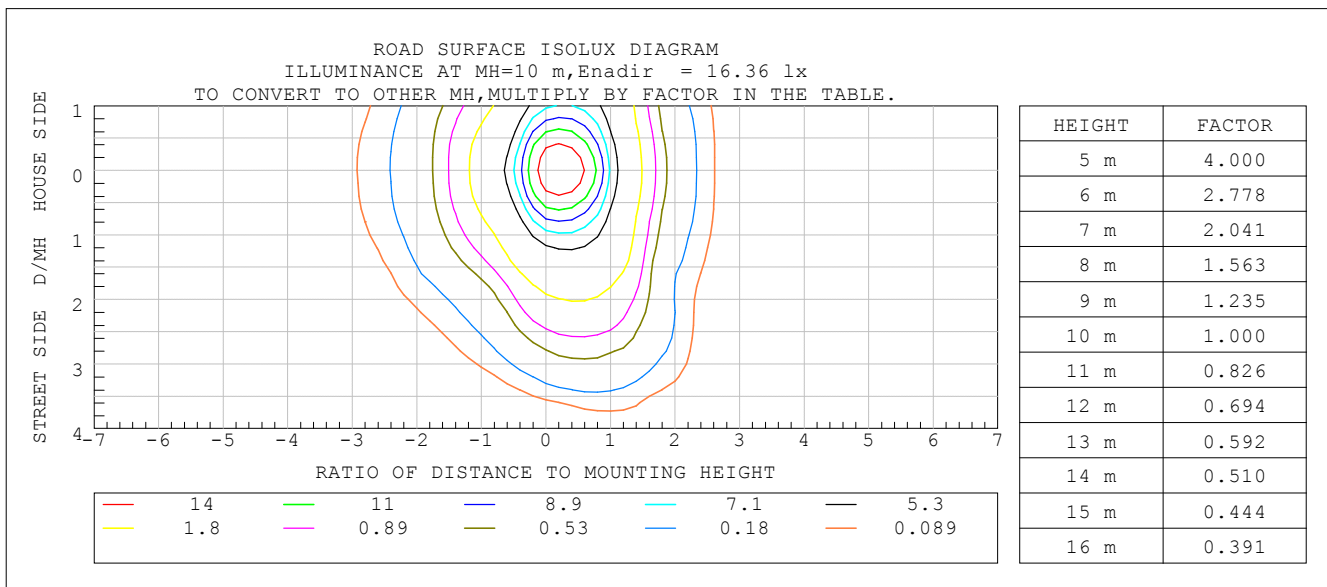
Classification:

IES:Type IV - Short
CIE:Broad - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:22.12cd/klm
Max.At90:3.822cd/klm
Max.80-90:22.12cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	2663
90%	2397
80%	2130
70%	1864
60%	1598
50%	1331
40%	1065
30%	799
20%	533
10%	266
5%	133

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

gamma Range: 0 - 90DEG
gamma Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.1927A P:41.04W PF:0.9641 Lamp Flux:6058.12x1 lm		
NAME: OPCITYIII-40W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

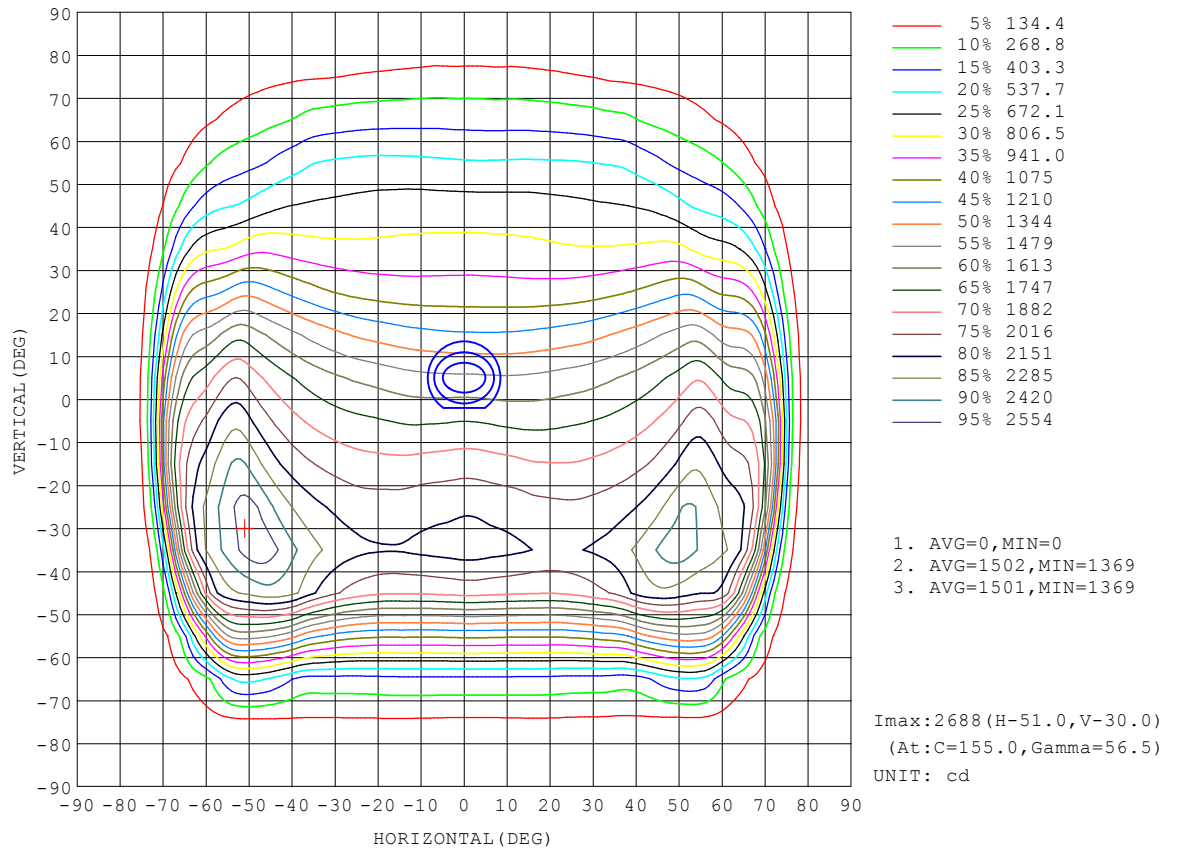
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
5	1623	1706	1744	1710	1630	1542	1504	1536	0- 5	38.93	38.93	0.64,0.64
10	1610	1767	1853	1778	1628	1456	1372	1442	5- 10	115.7	154.7	2.55,2.55
15	1614	1830	1958	1846	1641	1377	1224	1356	10- 15	190.8	345.4	5.7,5.7
20	1635	1886	2063	1909	1675	1275	1076	1253	15- 20	263.6	609.0	10.1,10.1
25	1660	1947	2133	1977	1701	1172	996.2	1147	20- 25	334.0	943.0	15.6,15.6
30	1685	2006	2204	2042	1729	1083	916.3	1057	25- 30	402.0	1345	22.2,22.2
35	1719	2060	2218	2102	1769	989.4	853.4	966.0	30- 35	467.3	1812	29.9,29.9
40	1766	2122	2232	2170	1830	888.6	790.6	867.3	35- 40	528.6	2341	38.6,38.6
45	1832	2177	1933	2228	1918	833.1	730.5	810.4	40- 45	581.7	2923	48.2,48.2
50	1926	2241	1633	2307	2042	759.7	670.4	741.8	45- 50	619.4	3542	58.5,58.5
55	1985	2062	1107	2133	2149	687.9	549.6	672.8	50- 55	639.4	4181	69,69
60	1835	1837	580.5	1901	1989	599.1	428.8	588.4	55- 60	604.3	4786	79,79
65	1779	1056	367.1	1110	1843	456.1	356.9	442.9	60- 65	514.7	5300	87.5,87.5
70	1403	496.6	153.7	535.6	1361	304.7	284.9	288.7	65- 70	410.6	5711	94.3,94.3
75	288.6	179.1	107.1	199.3	241.8	180.9	179.3	165.4	70- 75	238.2	5949	98.2,98.2
80	79.79	86.34	60.41	96.13	66.34	95.44	73.68	85.82	75- 80	77.09	6026	99.5,99.5
85	39.47	22.19	0	24.01	26.72	20.45	0	18.03	80- 85	27.56	6054	99.9,99.9
90	23.15	0	0	0	19.42	0	0	0	85- 90	4.229	6058	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

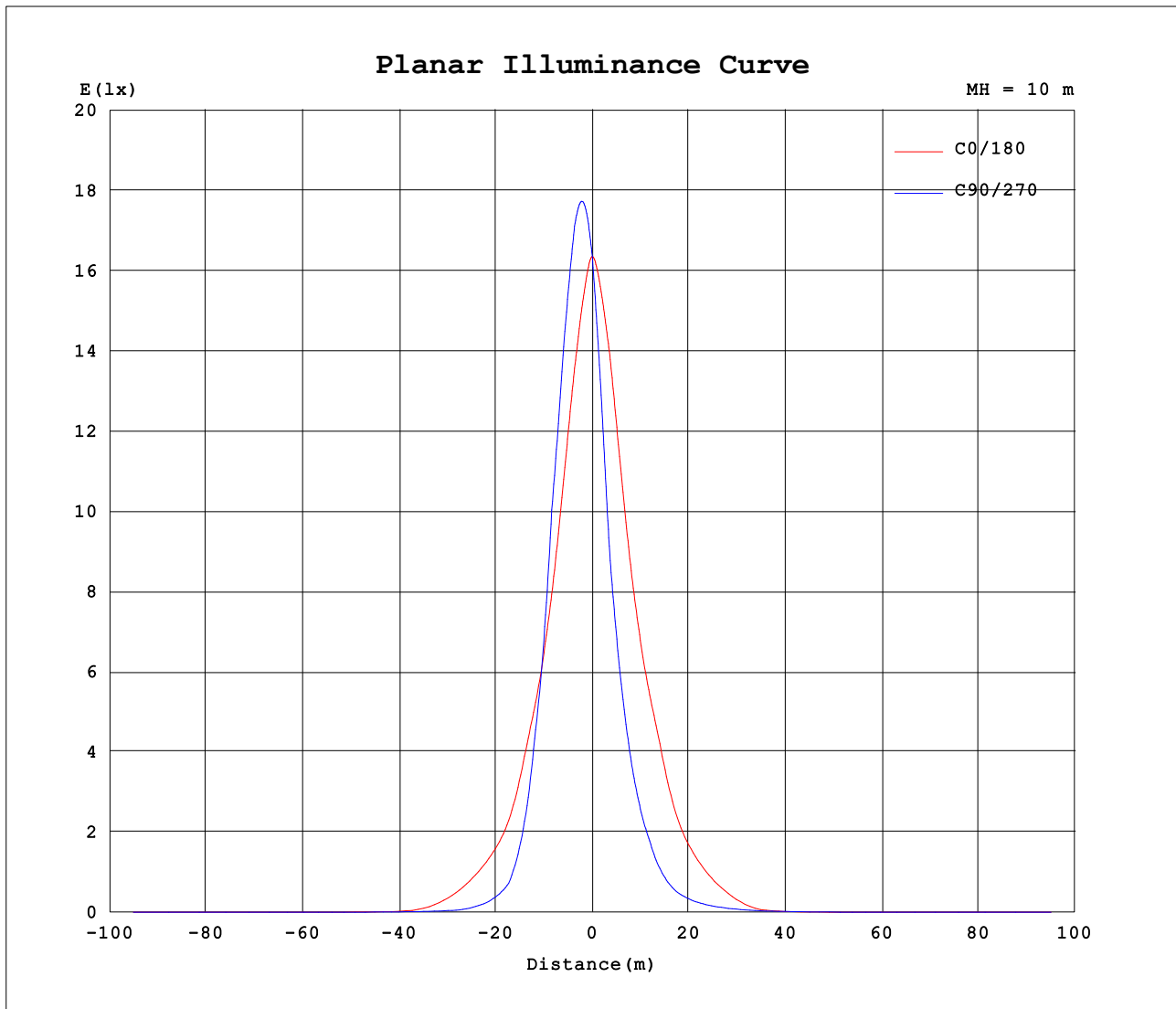
Test:U:220.8V I:0.1927A P:41.04W PF:0.9641 Lamp Flux:6058.12x1 lm		
NAME: OPCITYIII-40W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



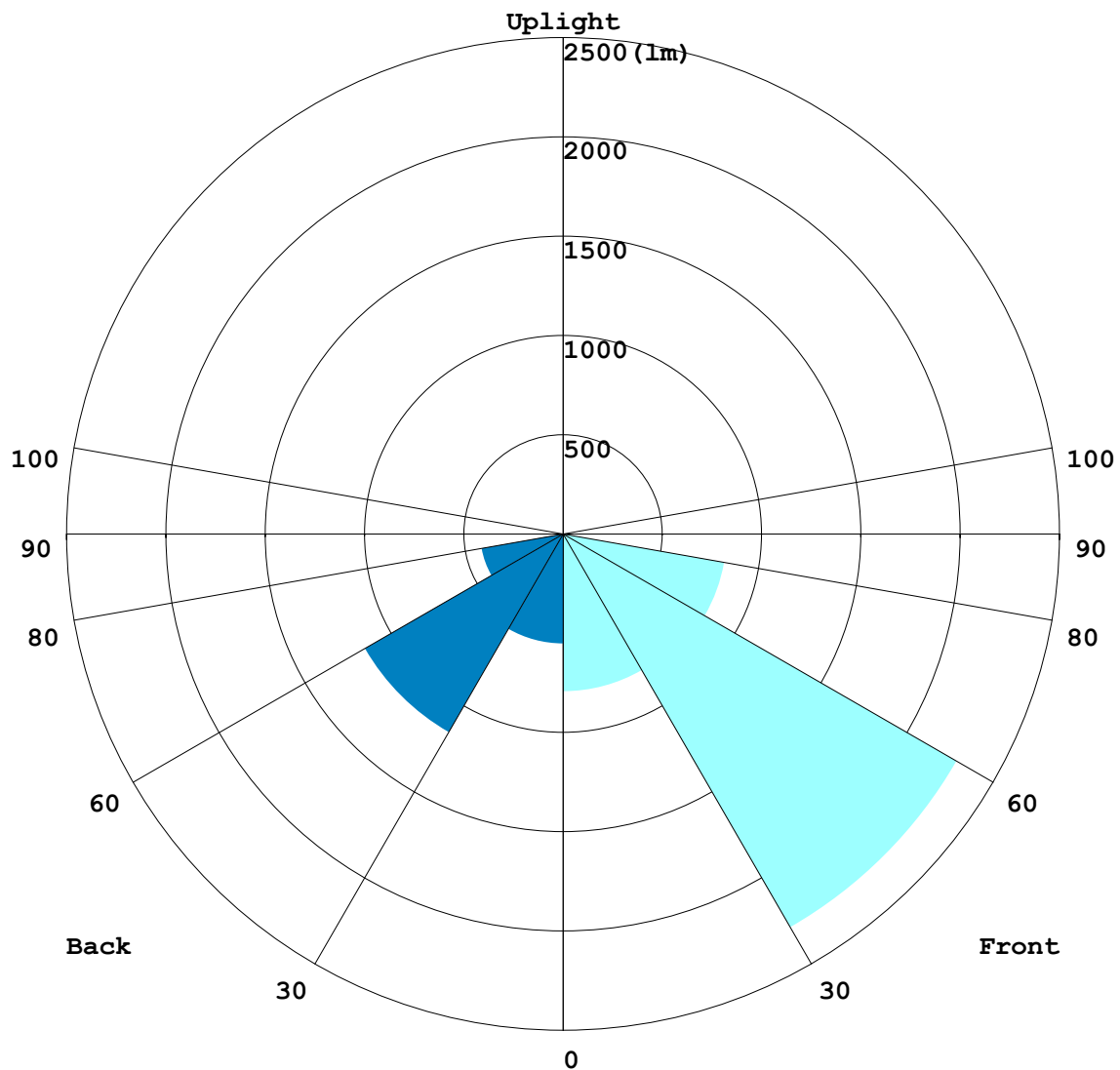
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.8V I:0.1927A P:41.04W PF:0.9641 Lamp Flux:6058.12x1 lm		
NAME: OPCITYIII-40W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.8V I:0.1927A P:41.04W PF:0.9641 Lamp Flux:6058.12x1 lm		
NAME: OPCITYIII-40W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	792.54	13.1
FM - Front-Medium(30-60)	2288	37.8
FH - Front-High(60-80)	824.61	13.6
FVH - Front-Very High(80-90)	17.331	0.3
Total Forward Light	3922.4	64.7

BL - Back-Low(0-30)	552.46	9.1
BM - Back-Medium(30-60)	1152.7	19.0
BH - Back-High(60-80)	416.02	6.9
BVH - Back-Very High(80-90)	14.459	0.2
Total Back Light	2135.7	35.3

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2135.7	0	2135.7
Street Side	3922.4	0	3922.4

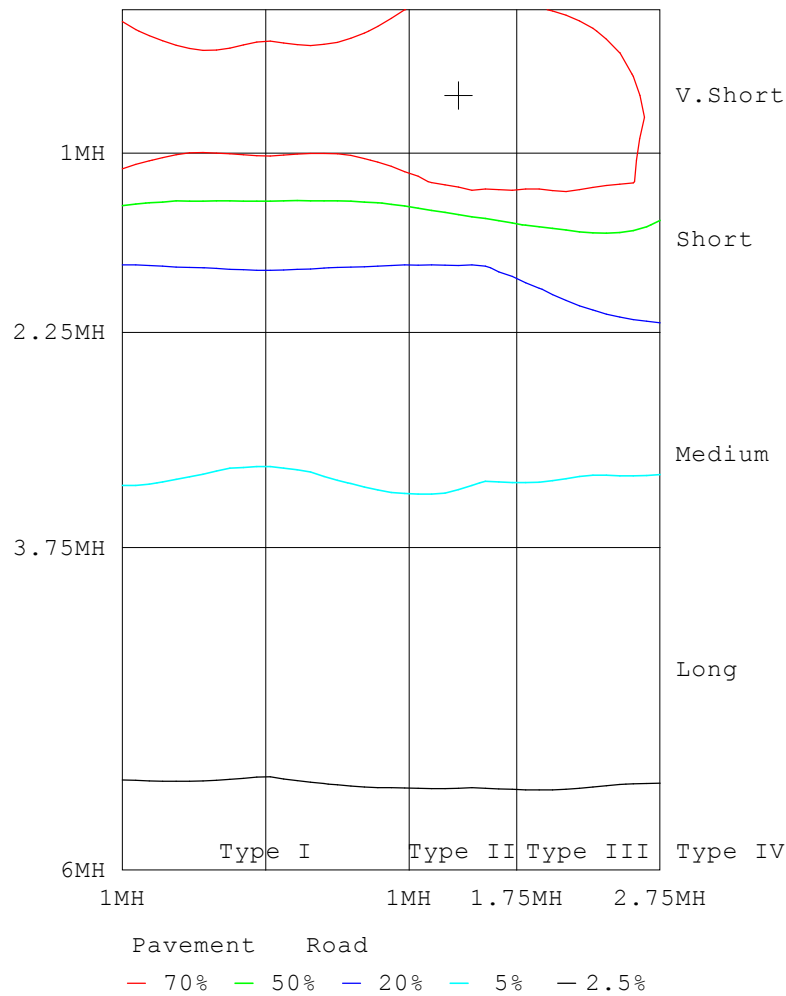
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-24

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.1927A P:41.04W PF:0.9641 Lamp Flux:6058.12x1 lm		
NAME: OPCITYIII-40W-4070-6C1T2S-70	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.44X0.195X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.16X0.12	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-24

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```